

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 April 2004 (15.04.2004)

PCT

(10) International Publication Number
WO 2004/031094 A2

(51) International Patent Classification⁷: C04B 14/22

(21) International Application Number:
PCT/KR2003/002031

(22) International Filing Date: 2 October 2003 (02.10.2003)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2002-0060225 2 October 2002 (02.10.2002) KR

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/031094 A2

(54) Title: NON-SHRINK HIGH VISCOSITY CHEMICAL GROUT

(57) Abstract: The present invention relates to a non-shrink high viscosity chemical grout composition, more particularly to a non-shrink high viscosity chemical grout composition comprising, on the basis of solid content, a) 100 parts by weight of a room temperature curable organic liquid phase resin; b) 10 to 200 parts by weight of glass beads; and c) 10 to 500 parts by weight of glass powder. In addition, the present invention relates to a method for repairing and reinforcing a construction using the non-shrink high viscosity chemical grout composition. The non-shrink high viscosity chemical grout composition of the present invention has superior acid resistance, alkali resistance, injection property, fluidity, crack resistance, impact resistance, adhesion property and storage property, and the method for repairing and reinforcing a construction of the present invention has affinity with subsidiary materials, can completely restore function and shape of a construction in short time due to rapid curing and simple construction, compensates properties of construction such as tensile strength, allows strong adhesion to a construction, and prolongs lifetime of a construction.